DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	13500597

Frame	: 586/7TZ	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 250 HP (185 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 460 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 299 A	Protection degree	: IP55
	: 6.1x(Code G)	Cooling method	: IC411 - TEFC
Rated speed	: 1193 rpm	Mounting	: F-1
Rated torque	: 152 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 77.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 9.53 kgm²	Approx. weight[3]	: 1454 kg
Design	: A		

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.0	95.4	95.8
Power Factor	0.00	0.68	0.77	0.81

Foundation loads

Max. traction	: 1667 kgf
Max. compression	: 3121 kgf

		Drive end	Non drive end
Bearing type	:	NU-324 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	6000 h	13000 h
Lubricant amount	:	72 g	45 g
Lubricant type	:	Mobil Polyrex EM	

Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

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DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 ºC

Space heater information

Voltage: 200 - 240 V

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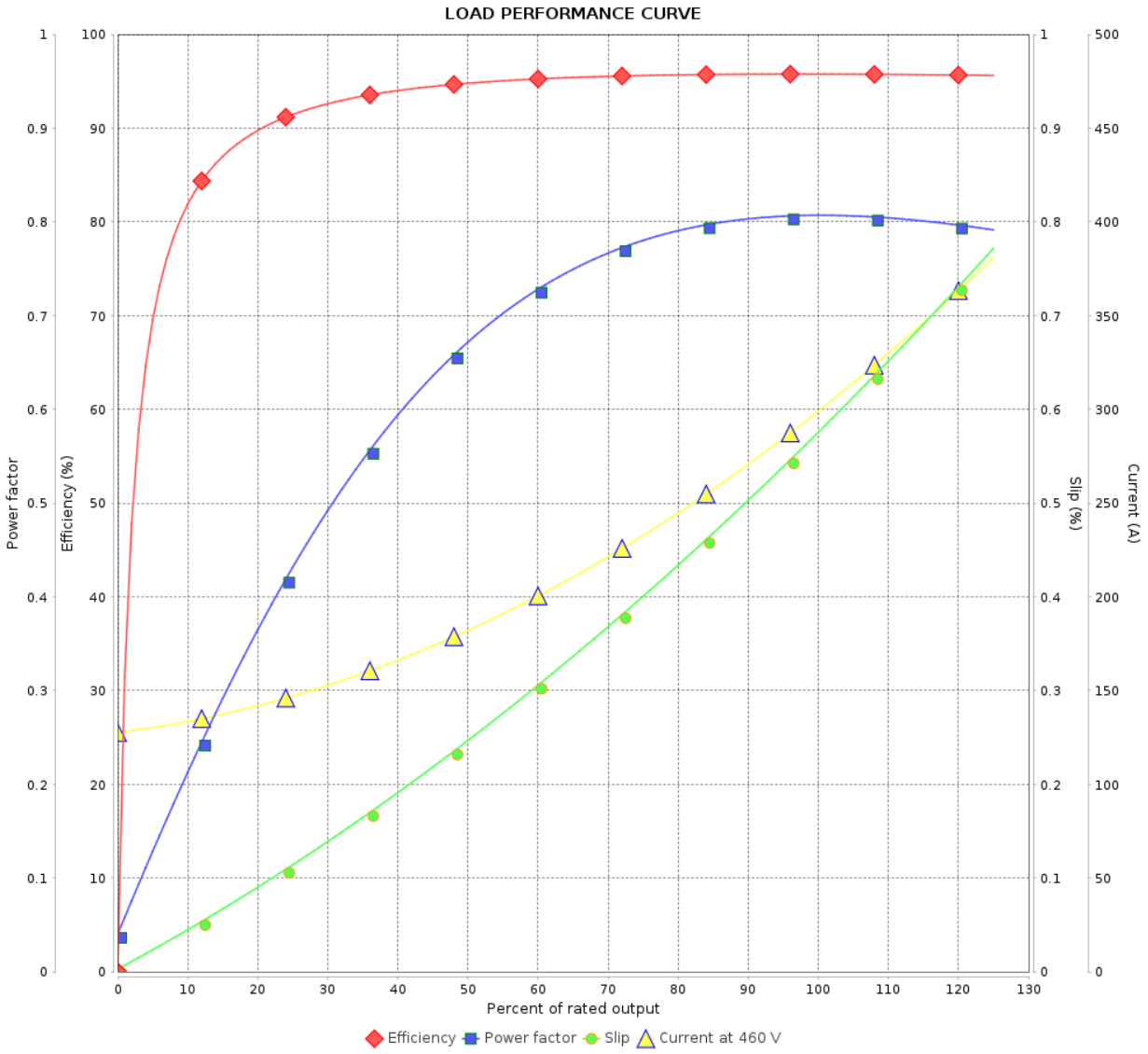
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500597



Rev.	Changes Summary	Performed	Checked	Date

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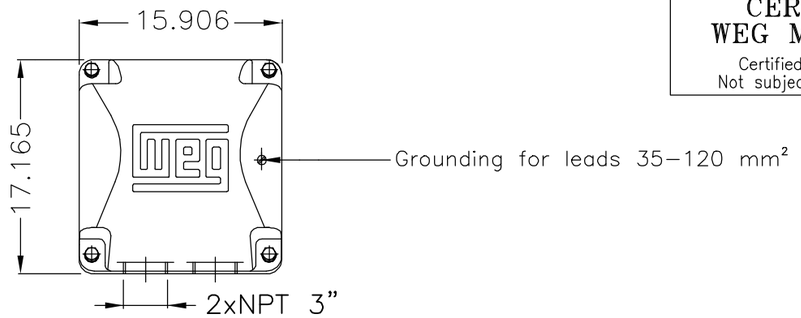
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EIXO/SHAFT	
PADRÃO/STANDARD	
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	X

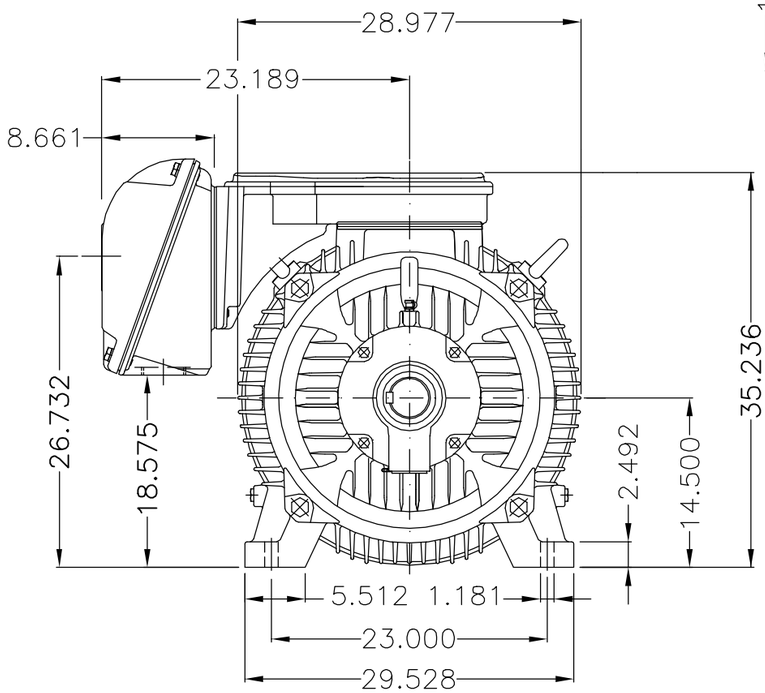
Dimensões em polegada
Dimensions in inches

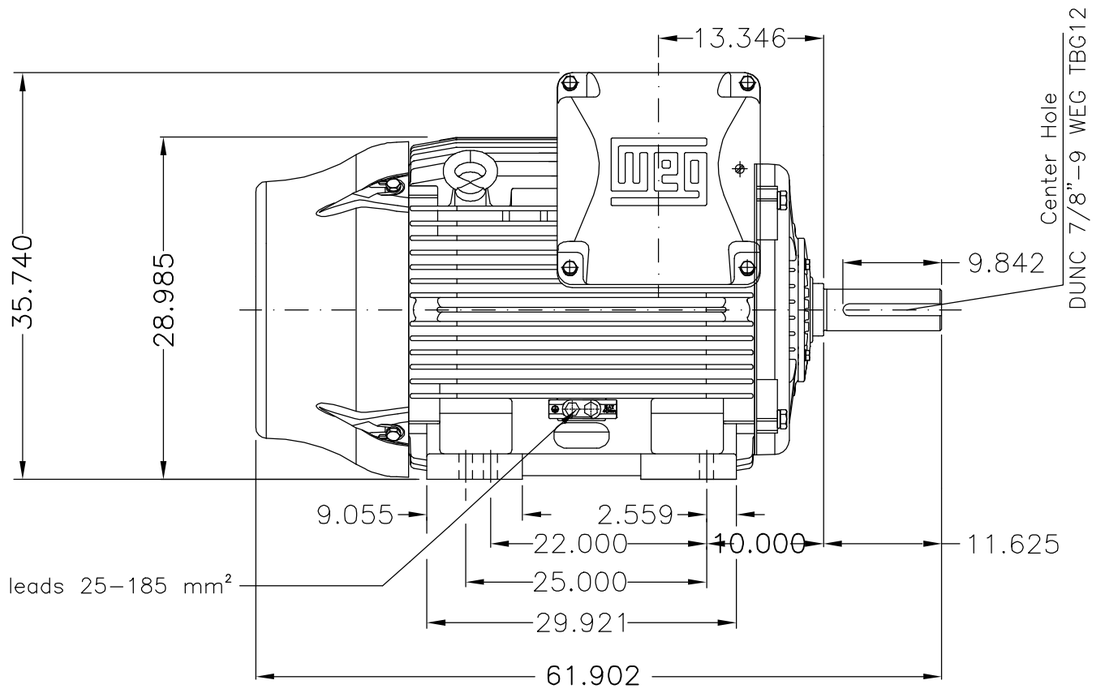
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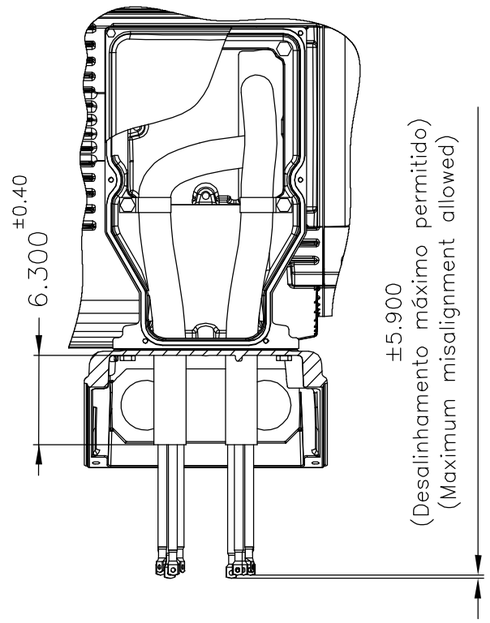
THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

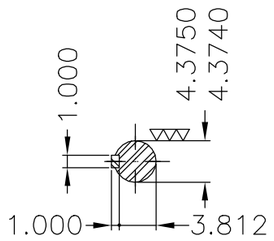


Main terminal box









DE Shaft End

Categoria A / Design A
Proteção térmica desligamento – termostato 155°C / Thermostats 155°C to trip
Tampa dianteira especial / Special DE endshield
Conduite para cabos no interior do suporte da caixa de ligação Cables conduit inside terminal box support
Linha do motor: Crusher Duty / Motor purpose: Crusher Duty
Rolamento dianteiro de rolos NU–324 / NU–324 DE roller bearing
Dispositivo de travamento de eixo / Shaft locking device
Tampa traseira com mancal eletricamente isolado NDE endshield with electrically insulated bearing hub
Cor RAL 5009 / Color RAL 5009
Plano de pintura 203A / Painting plan 203A
Forma construtiva NEMA F–1 / Mounting NEMA F–1
Forma construtiva B3D / Mounting B3R(D)

WEG ELECTRIC CORPORATION - WEC

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
500001323616		ALTERADO CONFORME CDP 414658625	MENSOR		JMANENTE	20.06.2017	03
500001317820		ALTERADO CONFORME CLAIM 414658625	AKLOSOWSKI		JMANENTE	01.06.2017	02

EXECUTED	DVEGINI
CHECKED	
RELEASED	NSCHMIDT
REL DT	22.01.2016

THREE PHASE W22 MOTOR - NEMA PREMIUM EFF
FRAME 586/7TZ IP55

10004037876
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WMO Jaragua do Sul Product Engineering

SHEET 1 / 1

250 HP 06 Poles 60Hz 414149566/0 MEC

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